

Claims

1. A valve for controlling fluids, having a holder body (31) that has a receptacle (32) containing an – in particular piezoelectric – actuator unit (33) and a hydraulic coupler module (34) that has at least one positioning piston (37, 61) and at least one actuating piston (39) that is operatively connected to the positioning piston (37, 61) via a hydraulic coupler (38) and actuates a valve-closure member (27) that cooperates with at least one valve seat (29, 30) and in the closed position, prevents a flow of fluid from a valve chamber (25) to a return conduit (45), characterized in that the positioning piston (37, 61) is guided in the receptacle (32) by means of a seal (50).
2. The valve according to claim 1, characterized in that the positioning piston (37) has an annular groove (49) in which the seal (50) is fixed.
3. The valve according to claim 1, characterized in that the seal (50) is disposed between an annular collar (62) and a positioning washer (63) of the positioning piston (61).
4. The valve according to one of claims 1 through 3, characterized in that the seal (50) is embodied in the form of an O-ring.
5. The valve according to one of claims 1 through 3, characterized in that the seal is embodied in the form of a diaphragm or bellows seal.

6. The valve according to one of claims 1 through 5, characterized in that the receptacle (32) is embodied with a first diameter in the region of the coupler module (34) and with a second diameter that is smaller than the first diameter, the seal (50) being disposed in the region of the second diameter.
7. The valve according to claim 6, characterized in that an insertion bevel (48) connects the two receptacle regions with different diameters.